

Converting Colors

XYZ(82.4525, 100.0000,
49.1119)

Have a look what the booklet for
XYZ(82.4525, 100.0000, 49.1119)
contains.

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Color

**XYZ(78.8995, 93.0059,
47.9759)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FFA2
RGB	242, 255, 162
RGB Percent	95%, 100%, 64%
CMY	0.0510, 0.0000, 0.3647
CMYK	0.05, 0.00, 0.36, 0.00
HSL	68°, 100%, 82%
HSV	68°, 36%, 100%
XYZ	78.8995, 93.0059, 47.9759
YIQ	240.5110, 22.1050, -31.6790

Conversions

Conversions Part 2

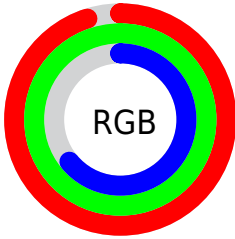
Format	Color
R_{YB}	162, 255, 175
Decimal	15925154
CIE Lab	97.23, -18.15, 43.03
CIE LCh	97, 46.705, 112.867
Yxy	93.0059, 0.3588, 0.4230
Android (android.graphics.Color)	4294115234 (0xFFFF2FFA2)
YUV	240.5110, -38.7059, 1.3059
Hunter-Lab	96.4396, -22.7342, 38.0126

Details

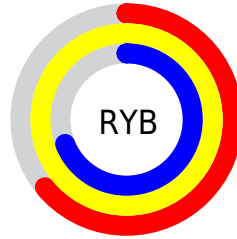
The XYZ color **78.8995, 93.0059, 47.9759** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.6506, 42.1759, 100.1843**, and the grayscale version is **83.5061, 87.8549, 95.6740**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **42.9620, 51.8066, 22.2033** is the 20% darker color. If you saturate the color by 10%, you get **75.6460, 91.5645, 37.1671**, and if you desaturate by 10%, it is **82.6370, 94.6436, 61.2090**.

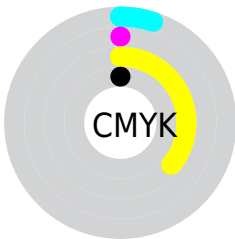
Distribution



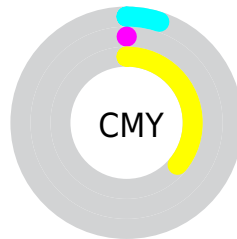
- Red (95%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (69%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8995, 93.0059, 47.9759 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.8995, 93.0059, 47.9759 by changing the saturation by 10% instead.


 78.8995, 93.0059,
47.9759


 78.8995, 93.0059,
47.9759


480.0095,
537.7612, 395.2025

 59.1185, 70.4764,
33.4479


 130.7760,
151.5068, 88.5337

 42.9553, 51.9150,
22.1959


 163.6023,
188.2470, 115.4006

 30.0444, 36.9373,
13.8012


201.5077,
230.4928, 147.2176

 20.0205, 25.1590,
7.8454

244.8577,
278.6288, 184.4032

 12.5183, 16.1955,
3.9098

294.0175,
333.0392, 227.3760

 7.1724, 9.6626,
1.5760

349.3524,

 3.6174, 5.1758,

394.1084, 276.5544

0.2736

411.2280,
462.2210, 332.3571

■ 1.4881, 2.3508,
0.0000

■ 0.3177, 0.8004,
0.0000

■ 78.8995, 93.0059,
47.9759

■ 78.8995, 93.0059,
47.9759

■ 75.6460, 91.5645,
37.1671

■ 82.6370, 94.6436,
61.2090

■ 72.8477, 90.3079,
28.6314

■ 86.8836, 96.4877,
76.9973

■ 70.4736, 89.2238,
22.2070

■ 91.6632, 98.5479,
95.4672

■ 68.4886, 88.2980,
17.7088

95.0500, 100.0000,
108.9000

■ 66.8513, 87.5140,
14.9201

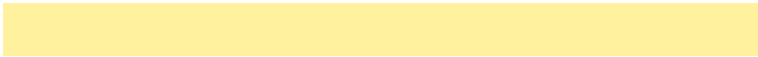
■ 65.5101, 86.8511,
13.5697

■ 65.0799, 86.6350,
13.2922

Harmonies

Analogous

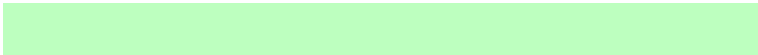
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5881, 93.0059, 44.9138



78.8995, 93.0059, 47.9759



69.6710, 93.0059, 63.4237

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8995, 93.0059, 47.9759



73.9473, 93.0059, 170.9671



116.0482, 93.0059, 110.5631

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.8995, 93.0059, 47.9759



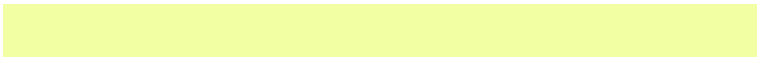
48.6506, 42.1759, 100.1843

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.2149, 93.0059, 151.7845



78.8995, 93.0059, 47.9759



85.2854, 93.0059, 191.8621

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8995, 93.0059, 47.9759



67.0167, 93.0059, 132.2189



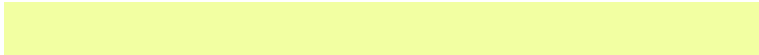
98.6326, 93.0059, 184.0846



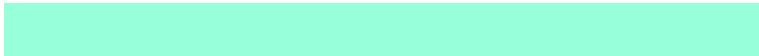
113.9056, 93.0059, 75.5680

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8995, 93.0059, 47.9759



66.2973, 93.0059, 81.3301



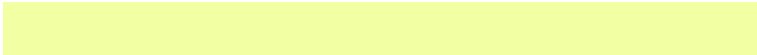
98.6326, 93.0059, 184.0846



114.9370, 93.0059, 124.2230

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.8998, 93.0060, 47.9772



89.4303, 97.5872, 86.7596



62.9757, 54.2965, 41.3448



19.0034, 20.8280, 18.0359



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

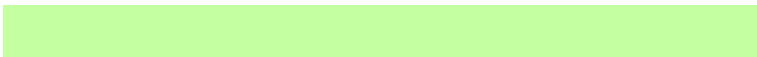
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8998, 93.0060, 47.9772



76.4060, 91.9028, 39.6192



65.0733, 85.8781, 47.3301



19.2969, 20.9545, 19.1719



34.1018, 45.3182, 6.9499



3.3860, 4.4463, 0.6798

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.6506, 42.1759, 100.1843



42.0385, 34.1232, 98.9785



60.7595, 48.4182, 100.7510



17.2391, 17.4995, 22.7191



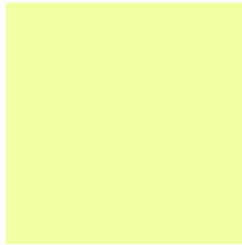
9.8765, 4.0020, 49.6865



1.0299, 0.4248, 4.8410

Previews

White Background



This preview shows how the XYZ color 78.8995, 93.0059, 47.9759 looks on a white background.

Color Contrast Check

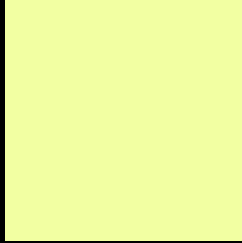
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.8995, 93.0059, 47.9759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

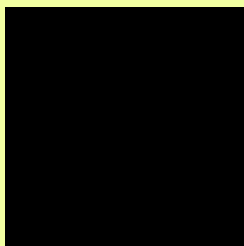
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

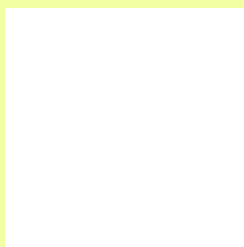
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8995, 93.0059, 47.9759

Background



This preview shows how black text looks on a background with the XYZ color 78.8995, 93.0059, 47.9759.

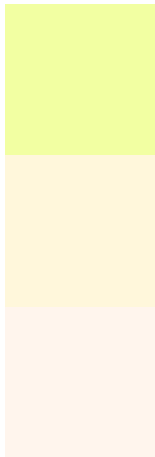


This preview shows how white text looks on a background with the XYZ color 78.8995, 93.0059,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.8995, 93.0059, 47.9759

Protanopia

87.2869, 92.8960, 80.3480

Deuteranopia

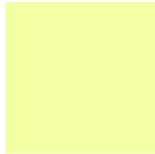
89.1785, 92.6792, 93.3094



Tritanopia

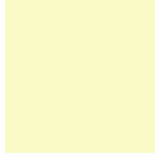
90.4861, 93.0340, 107.7960

Trichromacy



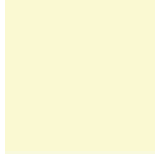
Original Color

78.8995, 93.0059, 47.9759



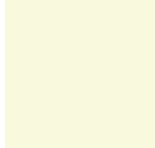
Protanomaly

83.8030, 92.7724, 66.9161



Deuteranomaly

84.9329, 92.7285, 74.3947



Tritanomaly

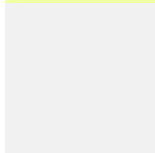
85.6382, 92.9283, 81.8299

Monochromacy



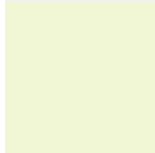
Original Color

78.8995, 93.0059, 47.9759



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.1151, 89.3658, 75.2615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8995, 93.0059, 47.9759 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 162)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 78.8995, 93.0059, 47.9759 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 255, 162) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(242, 255, 162) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8995, 93.0059, 47.9759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 162) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242,  
255, 162) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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